

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-4. (canceled)

5. (Currently Amended) A method comprising:

prior to executing a search query to perform a search, displaying a user interface on a display, the user interface displaying a graphical representation of the search query, the graphical representation including at least a numerical preview indication of an expected size of a dataset resulting from application of at least a portion of the query;

wherein the displaying of the user interface includes at least displaying a graphical preview indication that is a visually distinct region located in a proximity to an icon representing a filter, the region having a thickness representative of ~~[[an]]~~ the expected size of the dataset and having a shape suggestive of a funnel; and

wherein the graphical preview indication is separate from the icon.

6. (canceled)

7. (Currently Amended) A method comprising:

prior to executing a search query to perform a search, displaying a user interface on a display, the user interface displaying a graphical representation of the search query, the graphical representation including at least

a first graphical preview indication that is a first visually distinct region, having a first starting width and a first ending width, the width of the first visually distinct region continuously narrowing or widening from the first starting width to the first ending width, the first visually distinct region being located in a proximity to a first icon representing a first filter, the first starting width having a width that is representative of an expected size of a first input dataset, and the first ending width having a width that is representative of an expected size of a first dataset after application of the first filter on the first input dataset;

wherein the first graphical preview indication is separate from the first icon; and
a second graphical preview indication that is a second visually distinct region, having a second starting width and a second ending width, the second visually distinct region being located in a proximity to a second icon representing a second filter, the second starting width located at the first ending width, the second starting width being equal to the first ending width, the second starting width having a width that is representative of an expected size of a second input dataset, the second input dataset being equal to the first dataset, the second ending width having a width that is representative of an expected size of a second dataset after application of the second filter on the second input dataset, the width of the second visually distinct region continuously narrowing or widening from the second starting width to the second ending width, the second visually distinct region being adjacent to and connected to the first visually distinct region, the width of the second starting width being equal to the first ending width; wherein the second graphical preview indication is separate from the second icon.

8-9. (canceled)

10. (Currently Amended) A method comprising:

prior to executing a search query to perform a search, displaying a user interface on a display, the user interface displaying a graphical representation of the search query, the graphical representation including at least:

a first icon representing a first filter associated with the search query, and

a second icon representing a second filter associated with the search query; and

the user interface including at least a set of logical operator buttons, wherein each button is associated with a distinct logical operator; and

in response to a selection of the first icon and second icon and a selection of a button from the set of logical operator buttons, applying the logical operator associated with the selected button to [[the]] a dataset of the first filter represented by the first icon and a dataset of the second filter represented by the second icon.

11. (Previously Presented) The method of claim 10, wherein:

if a Boolean OR operator is applied, the first icon is substantially vertically aligned with the second icon; and

if a Boolean AND operator is applied, the first icon is substantially horizontally aligned with the second icon.

12. (Previously Presented) The method of claim 10 further comprising:

in response to the selection of the first icon and second icon and the selection of a button from the set of logical operator buttons, displaying a textual indication of a type of logical operator associated with the first icon and second icon.

13. (canceled)

14. (Currently Amended) A method comprising:

displaying a user interface on a display, the user interface displaying graphical representations of a search query, wherein at least one or more portions of the search query are divided into one or more query steps represented in the graphical representation as tiled boxes, each of the one or more query steps corresponding to a portion of the search query, each of the one or more query steps including one or more attributes;

~~receiving user input that specifies a value for one attribute of the one or more attributes of one query step of the one or more query steps;~~

~~in response to the user input, performing an action on a portion of the search query corresponding to the one query step, the action being based on the value of the one attribute; and~~

~~wherein the performing of the action includes each tiled box is able to be independently disabling disabled the one query step without removing the components of the one or more query steps associated with the tiled box from the query representation, thereby disabling any portion of the search query corresponding to the one query step; and~~

wherein the one or more query steps are a plurality of query steps that are arranged in an order, the order indicated by dataflow lines that connect one or more query steps to succeeding one or more query steps, and the order is alterable by dragging ~~to a new location~~ and dropping

[[a]] one or more query steps selected from the plurality of query steps to a new location in the query representation.

15. (canceled)

16. (original) The method of claim 14, wherein:
the one or more query steps are arranged in an order according to a query flow; and
each query step is combined with other portions of the search query using Boolean logic.

17. (original) The method of claim 14, wherein the query steps are numbered according to an
order in which the query steps are applied.

18. (canceled)

19. (original) The method of claim 14 further comprising creating within a query step a group
icon representing a container for, and having contained within, a group of icons representing
a group of filters associated with a portion of the search query.

20. (original) The method of claim 14 further comprising displaying a graphical representation
of a search query for a multidimensional database.

21-24. (canceled)

25. (Previously Presented) A computer-readable storage medium carrying one or more
sequences of instructions which, when executed by one or more processors, causes the one or
more processors to perform the method recited in Claim 5.

26. (canceled)

27. (Previously Presented) A computer-readable storage medium carrying one or more sequences of instructions which, when executed by one or more processors, causes the one or more processors to perform the method recited in Claim 7.

28-29. (canceled)

30. (Previously Presented) A computer-readable storage medium carrying one or more sequences of instructions which, when executed by one or more processors, causes the one or more processors to perform the method recited in Claim 10.

31. (Previously Presented) A computer-readable storage medium carrying one or more sequences of instructions which, when executed by one or more processors, causes the one or more processors to perform the method recited in Claim 11.

32. (Previously Presented) A computer-readable storage medium carrying one or more sequences of instructions which, when executed by one or more processors, causes the one or more processors to perform the method recited in Claim 12.

33. (canceled)

34. (Previously Presented) A computer-readable storage medium carrying one or more sequences of instructions which, when executed by one or more processors, causes the one or more processors to perform the method recited in Claim 14.

35. (canceled)

36. (Previously Presented) A computer-readable storage medium carrying one or more sequences of instructions which, when executed by one or more processors, causes the one or more processors to perform the method recited in Claim 16.

37. (Previously Presented) A computer-readable storage medium carrying one or more sequences of instructions which, when executed by one or more processors, causes the one or more processors to perform the method recited in Claim 17.
38. (canceled)
39. (Previously Presented) A computer-readable storage medium carrying one or more sequences of instructions which, when executed by one or more processors, causes the one or more processors to perform the method recited in Claim 19.
40. (Previously Presented) A computer-readable storage medium carrying one or more sequences of instructions which, when executed by one or more processors, causes the one or more processors to perform the method recited in Claim 20.
41. (Previously Presented) The method of claim 10 wherein:
the logical operators associated with the set of logical operator buttons comprises:
a Boolean OR operator,
a Boolean AND operator, and
a logical NOT operator.
42. (Previously Presented) A computer-readable storage medium carrying one or more sequences of instructions which, when executed by one or more processors, causes the one or more processors to perform the method recited in Claim 41.
43. (New) The method of Claim 14 wherein dataflow lines indicate a Boolean operator being applied to the one or more query steps and the succeeding one or more query steps.
44. (New) A computer-readable storage medium carrying one or more sequences of instructions which, when executed by one or more processors, causes the one or more processors to perform the method recited in Claim 43.